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ATG server brings Java support to E-commerce.

PC Week, p003

Nov 17, 1997

ISSN: 0740-1604

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 103

TEXT:

Art Technology Group is adding fault tolerance and improved scaling to its Java-based electronic commerce applications. ATG will unveil this week Dynamo Application Server 3.0, which includes tool kit capabilities that enable companies to build server-side JavaBean components. The new server has automatic load distribution to allocate user sessions and manage user requests across several processors. Automatic failover protection redirects sessions to alternate servers if one goes down. The new Dynamometer console allows administrators to monitor their electronic commerce applications. Dynamo Application Server 3.0, available by year's end, costs \$10,000 for one processor and \$5,000 for each additional processor.

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INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation)

NAICS CODES: 51121 (Software Publishers)

SPECIAL FEATURES: COMPANY

04589924 Supplier Number: 46748529 (THIS IS THE FULLTEXT)

**INVINCIBLE TECHNOLOGIES INTRODUCES FIRST SYMMETRIC FAULT TOLERANT SOLUTION  
FOR NFS**

News Release, pN/A

Sept 30, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 685

**TEXT:**

Performance, Availability, Protection in One Affordable Solution MEDWAY, Mass. -- September 30, 1996 -- Invincible Technologies Corporation today announced LIFELINE Symmetric Fault Tolerant (SFT), a fully fault tolerant NFS server solution. This comprehensive server solution provides the performance of a dedicated NFS appliance, the fault tolerance, high availability, and data integrity of a proprietary fault tolerant server, and the flexibility of a general purpose server, in one totally integrated open systems solution. LIFELINE SFT meets the demands of today's information management professionals by delivering an uncompromising level of data availability, reliability and protection. LIFELINE SFT offers a complete solution with no single points of failure. The solution is made up of dual-server modules running a 64-bit UNIX operating system, LIFELINE storage array, and Invincible Technologies' failover software. The dual server modules are both actively serving clients on the system - neither is a static replication of the other. The system is able to withstand any internal hardware or software failure and continue to deliver NFS file service to all clients. With LADDIS benchmark performance at 3,024 NFS ops/sec with under 8.5 millisecond response time, LIFELINE SFT provides a high performance, truly fault tolerant alternative to the partial high availability and "pseudo-fault tolerant"/replication solutions currently available in today's NFS appliance market. "Every organization's data is mission critical. But full fault tolerance has commonly only been associated with a small niche of large organizations with huge budgets," said Invincible Technologies' VP of marketing, Arun Taneja. "Today, we're delivering an affordable solution with exceptional performance and fault tolerant technology. Now this unprecedented level of data protection is, attainable by more organizations than ever before." The server system continuously monitors itself to detect and diagnose its status. In the event of a module malfunction, RAID controller error, SCSI or network device problem, LIFELINE SFT's failover software automatically redirects the workload from the affected device to another active component. The failover occurs within less than 1 second to a maximum of about 30 seconds, depending on the type of failure - and is typically unnoticed by the user. Once the malfunction is corrected, LIFELINE SFT automatically reintegrates the device back into the system and redistributes the workload again. The failover is fast, automatic and transparent to the users - providing continuous, uninterrupted access to information. "Our business is accessing data. If we lose access, we lose money," said Skip Gummow, systems/network architect for Thomson & Thomson, the trademark and copyright research authority. "While evaluating the LIFELINE SFT, we failed all of the vital components and the system continued to serve NFS data - the users -were oblivious to the failures! With the performance it delivers and this level of availability and protection, we can't afford to be without this solution." In addition to this announcement, Invincible Technologies is introducing its LIFELINE SFT application support for Pure Atria's ClearCase configuration management software and Pro/PDM and Pro/ENGINEER design engineering applications from Parametric Technology Corp. LIFELINE SFT pricing starts at \$168,000 for an entry level configuration, including 256 MB ECC memory and 20.5 GB of usable RAID 5 storage and a one year on-site service, support and installation contract. Configurations may extend to 1 GB of system memory to 246 GB of RAID protected storage. LIFELINE SFT and all of Invincible Technologies' products are backed by a full array of technical and professional support services. Whether requiring "hotline" support via telephone or on-site service, Invincible Technologies can provide service and support 24-hours a day, 7 days a week. All products are sold by the company's direct sales force and Value Added Resellers (VARs)

Specializing in high availability information storage solutions. Invincible Technologies Corporation is a worldwide provider of high-performance, high-availability, fault tolerant servers and storage solutions. Headquartered in Medway, MA, the company has sales offices across the country. Ranked among the top 10 computer companies in New England (CorpTech report based on revenue growth, April 1996), Invincible Technologies is helping companies like Apple Computer, Aspen Technology, Chemical Bank, CompUSA, Ford Motor Co., Fuji Capital Markets, Mercury Computer, PSINet, and Thomson and Thomson to access and protect their most valuable asset: information.

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INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)

NAICS CODES: 334111 (Electronic Computer Manufacturing)

SPECIAL FEATURES: COMPANY

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05172766 Supplier Number: 47894320 (THIS IS THE FULLTEXT)

**Octopus Announces Support for Microsoft Cluster Server.**

Business Wire, p08071237

August 7, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 904

TEXT:

LANGHORNE, Pa.--(BUSINESS WIRE)--Aug. 7, 1997--Octopus Technologies, a division of Qualix Group, Inc. (NASDAQ:QLIX), today announced that currently shipping versions of its Octopus products for data fault tolerance and disaster recovery will support Microsoft Cluster Server (formerly Wolfpack).

Octopus also today unveiled a plan for phased enhancements to new versions of Octopus products for further support of Microsoft Cluster Server (MSCS). Microsoft plans to release MSCS this summer as a built-in feature of Microsoft Windows NT Server, Enterprise Edition.

In Phase I of its support for MSCS, Octopus v2.0, available and shipping since 1996, will provide disaster resilience to Windows NT Server clusters. Octopus v2.0 will allow data mirroring from a Windows NT Server cluster to remote Windows NT Server systems over Local Area and Wide Area Networks (LANs and WANs). Octopus supports any LAN and WAN protocol supported by Windows NT. If a failure occurs in the cluster's data storage device or if a disaster occurs that threatens the cluster, Octopus helps to ensure that critical business data is safe and immediately accessible.

Octopus supports data mirroring for MSCS onto any combination of remote Windows NT servers, including a stand-alone server, a collection of Windows NT servers, or another Windows NT Server cluster. Phase I support for MSCS is available and shipping from Octopus today with v2.0 products.

Octopus will enhance Phase I support for MSCS with Octopus v3.0, available July 29, 1997. Octopus v3.0 new features that allow mirroring of hidden shares and failover of multiple IP addresses enhance Octopus' already robust disaster-recovery capabilities for MSCS.

"Our real time data mirroring and fault-tolerance capabilities will immediately add critical disaster resilience to Windows NT Server clusters when Microsoft ships Microsoft Cluster Server later this summer," said David Crocker, President of Octopus Technologies.

"With the capabilities that Octopus offers today, and those that we are committed to offering with our Phase II support for Microsoft Cluster Server in 1998, Octopus is a natural partner for Microsoft Cluster Server. Together, we allow customers to help ensure continuity in business-critical environments and extend the overall benefits of Windows NT Server clusters across their networks."

"Disaster recovery capabilities using data mirroring, such as those offered by Octopus Technologies, can enhance Microsoft Cluster Server and provide benefits to customers running Windows NT Server clusters in business-critical environments," said Mark Wood, Product Manager at Microsoft Corporation.

"Microsoft Cluster Server will offer premier capabilities for ensuring Windows NT Server availability. The Octopus product line offers features for data fault tolerance and disaster recovery that, together with Microsoft Cluster Server, can provide comprehensive high availability to Windows NT Server customers."

To complete Phase I support for MSCS, Octopus plans to become "cluster-aware" by fully supporting MSCS APIs, and clustering standards for event notification and clean installation within a cluster. By supporting MSCS standards, Octopus is designed to guarantee its services within a Windows NT Server cluster -- so that Microsoft Cluster Server can successfully fail Octopus over in the event that a component in the cluster fails. Octopus is targeted to become cluster-aware by fourth quarter 1997.

For Phase II support for MSCS, Octopus plans to leverage its current Super Automatic Switch Over (SASO) capabilities and offer cluster-to-cluster failover for Windows NT Server clusters over LAN and WAN connections. With cluster-to-cluster failover, Octopus would provide automatic switch over of a cluster's services to stand-alone servers or

additional clusters, when the original cluster fails.

Switch over would include re-assigning the IP addresses of the original cluster's virtual servers to the target cluster to provide availability of the failed cluster's services. Phase II capabilities are currently expected to be available in the second quarter of 1998.

#### About Octopus Technologies

Octopus Technologies, a Division of Qualix Group, Inc., is a leading developer in real time data fault tolerance, disaster recovery, continuous backup, and data availability software products in support of Microsoft Windows NT. Octopus products are certified for Microsoft BackOffice for the Windows NT environment. Qualix Group's reliability software, including the Octopus product line for Windows NT, provides the availability of business-critical information for more than 10,000 installations, including many Fortune 1000 corporations.

Octopus Technologies is based in Langhorne, Pa. Qualix Group, Inc. is headquartered in San Mateo, Calif., with 16 offices across North America and distribution across more than 30 countries.

For more information about Octopus, visit <http://www.octopustech.com> or contact Octopus Technologies, Inc., 1717 Langhorne Newtown Road, Suite 402, Langhorne, PA 19047; Phone 215/579-5600; E-mail: [info@octopustech.com](mailto:info@octopustech.com)

This press release contains forward-looking statements that may involve risks and uncertainties. These include statements about the performance and functionality of OctopusHA+ and Octopus DataStar for Windows NT.

The company's actual results may differ significantly from the results in these statements. Factors that could cause or contribute to such differences include, but are not limited to, those discussed in the Qualix Group prospectus dated February 12, 1997 relating to its public offering and common stock, particularly those discussed in the "Risk Factors" section of the prospectus. -0-

Note To Editors: Octopus is a registered trademark and SASO is a trademark of Octopus Technologies, Inc. Qualix and Qualix Group are registered trademarks of Qualix Group, Inc. All other company and/or product names are trademarks and registered trademarks of their respective companies.

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05269174 Supplier Number: 48028375 (THIS IS THE FULLTEXT)  
**Bright Tiger Introduces ClusterCATS: Content, Application and Transaction-Smart Software For Building Distributed Web Server Infrastructures**  
PR Newswire, p1003NEF009

Oct 3, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1345

TEXT:

Software Detects and Shields Users From Content and Application Failures, Network Performance Issues, and Down or Busy Servers

Provides High Availability Access and Improved Performance for Web Applications

ACTON, Mass., Oct. 3 /PRNewswire/ -- Bright Tiger Technologies today introduced ClusterCATS(TM), a family of server-side software tools that enable end users, web site hosters and integrators to build and control highly available, high performance distributed server infrastructures for business-critical web applications.

ClusterCATS ensures users can rapidly and reliably access information and complete transactions including commerce at their intranet or Internet site. ClusterCATS builds SmartClusters(TM) that eliminate common server problems and inconveniences such as "Server Busy/Unavailable," "File Not Found" or "Connection Timed Out." A SmartCluster is a group of two or more distributed Web servers, clustered at one location on a local area network (LAN), or across the world over a wide area network (WAN) that operate as a single entity to ensure user access to content, application and transaction resources.

An industry first, ClusterCATS is the only software solution that is content, application and transaction smart (CATS). The software allows organizations to deliver high availability access and improved performance for applications residing on distributed servers.

"Bright Tiger has the capabilities required to deploy business-critical web applications," said Peter Cowie, President of Charter Systems, a networking service and support company recently acquired by The Bisys Group. "Bright Tiger's unique ability to detect application and database failures and transparently shield users from these failures is mandatory in deploying business-critical web applications."

ClusterCATS automatically and transparently monitors not only server load but the status of content, application and transaction resources; calculates network distances between users and servers; manages the distribution and synchronization of content for optimal retrieval; and intelligently directs user access within a SmartCluster.

"The majority of today's web sites, both intranet and Internet, have single, centralized server architectures that serve as a single point of failure for the high, interactive demands of the web," said President and CEO Larry Moore. "Adding a bigger server and more WAN bandwidth is just the first step on a never ending treadmill. Adding completely mirrored, distributed servers at other locations just boosts server costs and adds to the complexity of content distribution. Hiring more administrators to reboot downed applications and servers isn't a solution, it's just an expensive way to gloss over the problem.

"While current tools target the most reliable part of the problem, server hardware, Bright Tiger focuses on detecting and shielding the user from network performance issues, content and application failures, as well as down or busy servers. The result is a solution that addresses the need for highly available, high performance server infrastructures."

Today at many web sites, a user trying to access/download content often has to guess which of 20 servers is the least busy, is closest to them and has the content they want. With the growth of the Internet and corporate intranets, significantly larger numbers of unsophisticated users are accessing the web -- not only from their PCs, but eventually from their televisions as well. For these users, especially, this type of guess work is completely unacceptable. Bright Tiger removes the guess work by

automatically and transparently protecting the user from these issues.

"Our partnership with Bright Tiger enables DIGEX to continue its leadership in providing turnkey high availability solutions for its customers," said Jim Stalder, Vice President of Strategic Planning, Web site management group at DIGEX. "DIGEX's Web site management facilities in suburban Washington, D.C. and Cupertino, CA -- the largest and most advanced dedicated server facilities in the world -- can now offer geographically dispersed load balancing and content replication, giving DIGEX customers the industry's highest level of assurance for their sites."

#### SmartCluster Software for Distributed Servers: The Four Key Services

ClusterCATS integrates four key services that allow an organization to cost-effectively build, control and manage unified server clusters that provide rapid, reliable access to business-critical applications and associated resources.

When implemented, ClusterCATS enables the SmartCluster to:

- Detect problems by monitoring content, application and transaction resources (e.g. databases, applications, files, server processes, etc.), servers and the network;

- Mask problems by directing user (client) requests to the optimum server;

- Ensure content redundancy within the SmartCluster by distributing and synchronizing content;

- Manage distributed servers and resources.

#### Monitoring Services: Detecting Problems

ClusterCATS monitoring service spans content, application and transaction resources, servers, and the network to provide a complete picture of the network and server environment. In addition to reporting on the status and load of servers, as well as the network distances between client and server locations, ClusterCATS identifies the location and availability of back-end content and transaction resources including data bases, applications, files and other server processes.

#### Request Direction Services: Shielding the User from Problems

Direction services exploit the intelligence of ClusterCATS' monitoring services to transparently redirect requests to the optimum server: the closest, least-loaded server with available content, application and transaction resources. Because ClusterCATS is aware of the network distances between client and server locations, access and download times for users are minimized. In addition, ClusterCATS' awareness of server availability and load means users are shielded from failed or busy servers. And since the software is fully aware of content, application and transaction resources, including data bases, applications, files, and other server processes, Bright Tiger protects the user from "downed" applications.

#### Content Distribution and Synchronization Services: Ensuring Redundancy

ClusterCATS content distribution and synchronization service begins with the premise that the best way of dealing with network outages or congestion is to ensure content redundancy in a SmartCluster. While it is unrealistic for all content to be distributed on every server, ClusterCATS enables actively-used, bandwidth-intensive files to be stored as close to users as possible.

ClusterCATS intelligently and automatically places and synchronizes content across a SmartCluster, based upon both "local" user and IS needs. Content can include HTML and ASP files, images, scripts, and other components in the Web service directory. Content is added, updated or deleted between servers by a policy-based system that uses a publisher/subscriber model. Content can be published from any/to any server according to administrator-defined schedules.

#### Administrative Services: Simplifying Management

Administrative services minimize and simplify the consolidated management of one or more SmartClusters from any location. Administrators can add and remove servers from the SmartCluster in real-time; configure the availability of the server and application resources to perform maintenance without interruption of service; and monitor and track overall server and content utilization levels. In addition, the administrative services provide automatic notification of any application, data base and

server failures and can automatically perform recovery operations.

#### Wide Range of Solutions

Bright Tiger's ClusterCATS software can cost-effectively build and manage a broad range of SmartCluster solutions to satisfy the needs of end users, web site hosters and integrators. Solutions range from small business Internet hosting applications using two systems with many virtual server SmartClusters, to enterprise intranet/extranet/Internet applications using a single SmartCluster of distributed servers at many geographic locations.

#### Pricing and Availability

Available for first customer ship in October 1997, entry-level ClusterCATS software for two servers is priced at \$9,995.

Founded in 1996, Bright Tiger Technologies is pioneering a new software category for distributed servers. The company's intelligent cluster software provides organizations with a unique set of server-side software tools for building and managing highly available, high-performance server infrastructures for next generation intranet and Internet applications. Privately-held with strong financial and management backing, Bright Tiger secured its first round of financing from North Bridge Venture Partners and Accel Partners in January 1997.

For more information please call 1-888-655-0288, or visit Bright Tiger on the worldwide web at [www.brighttiger.com](http://www.brighttiger.com). Bright Tiger will be exhibiting its products in Start-up City, Booth #7646, at Networld +Interop, Atlanta, Georgia from October 8 - 10.

SOURCE Bright Tiger Technologies

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10/3/97

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CO: Bright Tiger Technologies

ST: Massachusetts, Georgia

IN: CPR MLM

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SPECIAL FEATURES: COMPANY

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Serving JavaBeans for E-Commerce

Kerstetter, Jim

PC Week, p024

Nov 24, 1997

ISSN: 0740-1604

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; General Trade

Word Count: 384

TEXT:

Art Technology Group Inc. is adding fault tolerance and improved scaling to its Java-based electronic commerce applications.

This week, ATG, of Boston, will unveil Dynamo Application Server 3.0, which includes a tool kit that allows companies to build server-side JavaBean components.

The Application Server is the heart of ATG's suite of high-end E-commerce applications. Founded four years ago by graduates of the Massachusetts Institute of Technology, ATG has adopted a business model similar to that of Oracle Corp. in the client/server world, where internal developers help build customized E-commerce applications for customers, hold the license to that code and then turn it into commercial products. Among the company's customers are Sony Interactive, R.R. Donnelley & Sons Inc. and America Online Inc.

Longtime ATG customers see this version as a vast improvement. "Their performance is significantly better," said Chris Tacy, president of Fire Engine Red Inc., in San Francisco. "In 3.0, any performance bottlenecks you get have nothing to do with Dynamo. It has to do with Java."

In Version 3.0 of the Application Server, the new JavaBean Component Model allows users to assemble server-side applications from JavaBean components. With the components, administrators can access a naming system for organizing application components and creating and configuring JavaBeans from standard property files. Included with Version 3.0 is an administrator's tool called a Nucleus Component Browser, which allows administrators to inspect and control the JavaBeans.

ATG has also developed Dynamo Reusable Objects, or DROplets, designed to streamline the user interface and separate embedded Java from HTML, and a JDBC (Java Database Connectivity) tool called Cortex, included in the 3.0 Server.

Dynamo Application Server 3.0 has automatic load distribution to allocate user sessions and for management of user requests across several processors, as well as Automatic Fail-Over Protection that redirects sessions to alternate servers if one server goes down.

Dynamo Application Server 3.0 is due by the end of the year, priced at \$10,000 for one processor and \$5,000 for each additional processor. It runs on Solaris 2.4 or 2.5, Windows NT 3.51 or 4.0, and Irix 5.3. It has JDBC drivers for databases from Oracle, Sybase Inc., Microsoft Corp. and others.

ATG can be reached at (617) 859-1212 or www.atg.com.

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04923264 Supplier Number: 47237261 (THIS IS THE FULLTEXT)  
**Cisco Systems ships product maximizing Web scalability; DistributedDirector**  
product offers network-intelligent load distribution  
EDGE: Work-Group Computing Report, pN/A  
March 24, 1997  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 705

TEXT:

Cisco Systems Inc. Thursday announced it is shipping DistributedDirector, the first Cisco IOS software application designed to enable global scalability for all IP-based network services.

DistributedDirector provides dynamic and transparent IP traffic load distribution between multiple dispersed servers. Using routing table intelligence in the network infrastructure DistributedDirector transparently redirects end-user service requests to the nearest responsive server. As a result, end users benefit from reduced transmissions costs, increased access performance and maximized server availability.

DistributedDirector is complementary to the Cisco Local Director product, which provides the same functions for multiple servers in a single location. As a combined offering, they firmly establish Cisco as the leader in global IP service scaling solutions.

"DistributedDirector represents an important milestone for Cisco since it is the first stand alone non-routing, non-switching Cisco IOS software application," said Alex Mendez, vice president of Cisco IOS software marketing at Cisco. "The delivery of this product further affirms Cisco IOS software as the premier platform enabling network services to enterprise customers as well as Internet service providers. DistributedDirector offers a truly unique solution to global network service scalability challenges."

"We expect Cisco's DistributedDirector to be an integral and strategic component in scaling MSN, The Microsoft Network and our internal networks in 1997," said Arne Josefberg, director of MSN Network Services at Microsoft Corp. "We are very pleased with DistributedDirector's robust functionality and flexibility as exhibited during our battery of tests, simulating both Internet and intranet environments. One key feature for which we see immediate application is the DistributedDirector's ability to reliably redirect traffic to online servers."

"DistributedDirector provides advanced load redirection capabilities, which we find very useful in handling the high traffic demands of our customers," said Mark Shull, vice president and general manager of Network-Centric Solutions at BBN Planet in Palo Alto, Calif. "As customers move their business applications to the Internet, we view network-intelligent redirection as an essential element in distributing transactions among our nationwide, high-performance application hosting centers."

"We're enthusiastic about the promising capabilities of DistributedDirector," said Steve Strange, director of Information Systems for Infoseek, one of the Internet's leading search and navigation providers located in Santa Clara, Calif. "As one of the most frequently visited sites on the Internet, we're excited about DistributedDirector's potential to help us intelligently distribute millions of requests across topologically dispersed servers, and to provide high quality service to our rapidly expanding user base."

"Using Cisco's DistributedDirector, our Internet Data Center clients can now take advantage of increased server access and availability," said Shandra Sekhar, president of Exodus Communications in San Jose, Calif. "The Exodus mirroring solution, which utilizes the DistributedDirector system, assures our customers that their Internet traffic will be reliably redirected to the optimal destination even in the event of a server or network failure."

"Cisco's DistributedDirector makes it possible for us to deploy our Global Virtual Service (GVS) architecture due to its intelligent redirection decisions and server availability checks," said Pushpendra Mohta, vice president of Internet Services at TCG CERFnet in San Diego, Calif. "Distributed Director provides a crucial element in TCG CERFnet's

... global fault tolerant content distribution strategy that powers our high performance Web SuperSite architecture. Since it enables transparent distribution of services across geographically dispersed servers, DistributedDirector eliminates traditional geographic single points of failure."

DistributedDirector can act as a Domain Name Service (DNS) caching nameserver or as a Hypertext Transfer Protocol (HTTP) session redirector, on a per host name basis. When used in DNS caching nameserver mode, DistributedDirector provides transparent service distribution for all IP traffic. In this mode, DistributedDirector returns an IP address of the best server to the client's local DNS, independent of the particular Internet service requested at that IP address.

DistributedDirector maps a host name to several possible IP addresses and uses the intelligence in the network infrastructure to dynamically determine the best IP-address-to-DNS-name binding for a given host name, based on client-to-server topological proximity. DistributedDirector also has the ability to only run HTTP traffic, when used solely in the HTTP mode. In this mode, DistributedDirector masquerades as the requested Web server and returns an HTTP-specific status code to redirect clients' browsers to the topologically nearest Web server.

Cisco Systems Inc. is the worldwide leader in networking for the Internet. FMI: <http://www.cisco.com>.

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**IBM to add Vinca clustering to servers**

InfoWorld, p008

June 17, 1996

ISSN: 0199-6649

Language: English Record Type: Fulltext

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Word Count: 299

TEXT:

IBM this week will deliver a counterpunch to Microsoft Corp.'s and Digital Equipment Corp.'s clustering partnership by announcing a bundle of many of its Intel PC-based servers with Vinca Corp.'s clustering software.

Vinca's StandbyServer will provide real-time, transaction-based server mirroring by offering a dedicated link between a primary server and a standby system.

The bundles, to be called the IBM PC Server High Availability Solution, will be centered on StandbyServer, IBM's PC Pro/100 Ethernet adapters, and a cable connection hooking up the two machines.

Currently, StandbyServer supports fail-over for a single one- to four-processor system. Later this year, IBM and Vinca are expected to deliver a StandbyServer that can back up several clusters.

Observers said the IBM clustering initiative is aimed at counteracting an ongoing clustering development pact between Digital and Microsoft around Windows NT clustering technology. Later this month, Digital will ship Digital Cluster for WindowsNT, which permits two Windows NT-based servers to be tied together through a shared SCSI bus, making it appear as a single system to users. That product uses Digital's Failover Manager application, which automatically redirects interrupted services when one server fails.

"It is [IBM's] way of keeping pace with Microsoft and what they have planned for fail-over with NT," said a midwestern health care firm consultant. "They don't have their own so they are just bundling for now."

"With Digital's relationship with Microsoft, there is a lot of pressure on IBM to move clustering into the Intel world," said John Dunkle, president of Workgroup Strategic Services Inc., in Portsmouth, N.H.

IBM will bundle Vinca's software with the PC Server 320, 520, and 720. StandbyServer runs on OS/2 Warp, NetWare Series, and NT.

The PC Server High Availability Solution will ship in the third quarter for \$3,875.

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**IBM to add Vinca clustering to servers**

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**ABSTRACT:** In June 1996, IBM Corp. will deliver a bundle of many of its Intel PC-based servers with Vinca Corp.'s clustering software. Vinca's StandbyServer will provide real-time, transaction-based server mirroring by offering a dedicated link between a primary server and a standby system.

**TEXT:** IBM THIS WEEK will deliver a counterpunch to Microsoft Corp.'s and Digital Equipment Corp.'s clustering partnership by announcing a bundle of many of its Intel PCbased servers with Vinca Corp.'s clustering software.

Vinca's StandbyServer will provide real-time, transaction-based server mirroring by offering a dedicated link between a primary server and a standby system.

The bundles, to be called the IBM PC Server High Availability Solution, will be centered on StandbyServer, IBM's PC Pro/100 Ethernet adapters, and a cable connection hooking up the two machines.

Currently, StandbyServer supports fail-over for a single one- to four-processor system. Later this year, IBM and Vinca are expected to deliver a StandbyServer that can back up several clusters.

Observers said the IBM clustering initiative is aimed at counteracting an ongoing clustering development pact between Digital and Microsoft around Windows NT clustering technology. Later this month, Digital will ship Digital Cluster for Windows NT, which permits two Windows NT-based servers to be tied together through a shared SCSI bus, making it appear as a single system to users. That product uses Digital's Failover Manager application, which automatically redirects interrupted services when one server fails.

"It is [IBM's] way of keeping pace with Microsoft and what they have planned for fail-over with NT,' said a midwestern health care firm consultant. "They don't have their own so they are just bundling for now."

"With Digital's relationship with Microsoft, there is a lot of pressure on IBM to move clustering into the Intel world,' said John Dunkle, president of Workgroup Strategic Services Inc., in Portsmouth, N.H.

IBM will bundle Vinci's software with the PC Server 320, 520, and 720. StandbyServer runs on OS/2 Warp, NetWare Series, and NT.

The PC Server High Availability Solution will ship in the third quarter for \$3,875.

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IBM Corp (DUNS:00-136-8083 TICKER:IBM)

Vinca Corp

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